WHAT IS CLAIMED IS:

1. A method of recycling wash-water resulting from the treatment of a film provided with a carbon particles based backing layer, said treatment comprising a washing treatment to remove said carbon particles based backing layer, wherein said method comprises the step of passing said wash-water through an ultrafiltration unit equipped with a hydrophilic ultrafiltration membrane whose surface is electrically charged, wherein a permeate is obtained, and wash-water free of at least said carbon particles is obtained in said permeate.

2. The method of Claim 1, comprising the step of recovering wash-water from the permeate and recycling it for said washing treatment.

3. The method of Claim 1, wherein said ultrafiltration membrane has a wet contact angle less than 70°.

4. The method of Claim 3, wherein said ultrafiltration membrane has a wet contact angle between 10° and 60°.

5. The method of Claim 3, wherein said ultrafiltration membrane is made in a hydrophilic material chosen from among the group comprising acrylonitrile, acrylic acid, and cellulose acetate based polymers and copolymers.

6. The method of Claim 1, wherein the ultrafiltration unit is a tangential ultrafiltration unit.

7. The method of Claim 1, wherein said hydrophilic ultrafiltration membrane has a positively charged membrane surface to further remove dyes.

8. The method of Claim 1, wherein said ultrafiltration membrane has a molecular weight cut-off between 40 and 50 kD.

9. The method of Claim 1, comprising further the step of cleaning said ultrafiltration membrane by rinsing using a hydrochloric acid solution.

10. The method of Claim 1, comprising the step of prefiltering the wash-water through a polypropylene based filter.